Nuclear Instruments and Methods in Physics Research A254 (1987) 655–665
North-Holland, Amsterdam

AUTHOR INDEX

Abd El-Baset, M.S., see Fadel, M.A. A254 (1987) 427
Abe, K., see Ahrens, L.A. A254 (1987) 515
Abegg, R., D. Bandyopadhyay, J. Birchall, E.W. Cairns, G.H. Coombes, C.A. Davis, N.E. Davison, P.P.J. Delheij, P.W. Green, L.G. Greeniaus, H.P. Gubler, D.C. Healey, C. Lapointe, W.P. Lee, W.J. McDonald, C.A. Miller, G.A. Moss, G.R. Plattner, P.R. Poffenberger, W.D. Ramsay, G. Roy, J. Soukup, J.P. Svenne, R. Tkachuk, W.T.H. Van Oers, G.D. Wait and Y.P. Zhang, Proton target polarization measured with a polarized neutron beam at 477 MeV (*Letter to the Editor*) A254 (1987) 469
Adachi, T., K. Egawa, E. Kikutani, M. Kobayashi, H. Koiso, S.-I. Kurokawa, Y. Masuda and Z.P. Zheng, Response of a large CsI(Tl) crystal to electrons and pions below 1.5 GeV/c A254 (1987) 270
Ahrens, L.A., S.H. Aronson, P.L. Connolly, T. Erickson, D.G. Gibbard, M.J. Murtagh, S.J. Murtagh, S. Terada, D.H. White, J.L. Callas, D. Cutts, M. Diwan, R.S. Dulude, J.S. Hoftun, B.W. Hughlock, R.E. Lanou, J.T. Massimo, T. Shinkawa, Y. Kurihara, K. Amako, S. Kabe, Y. Nagashima, Y. Suzuki, S. Tatsumi, Y. Yamaguchi, K. Abe, E.W. Beier, D.C. Doughty, L.S. Durkin, R.S. Galik, S.M. Heagy, M. Hurley, A.K. Mann, F.M. Newcomer, R. Van Berg, H.H. Williams, T. York, P. Clarke, D. Hedin, M.D. Marx and E. Stern, A massive, fine-grained detector for the elastic reactions induced by neutrinos in the GeV energy region A254 (1987) 515
Akiba, Y., see Alburger, D.E. A254 (1987) 88
Alberini, C., G. Bari, M. Basile, G. Cara Romeo, R. Casaccia, L. Cifarelli, F. Cindolo, A. Contin, G. D'Ali, C. Del Papa, S. De Pasquale, G. Iacobucci, G. Laurenti, G. Maccarrone, T. Massam, F. Motta, R. Nania, F. Palmonari, E. Perotto, G. Prisco, G. Sartorelli, G. Susinno, L. Votano, W. Willutsky and A. Zichichi, Drift chambers for a large-area, high-precision muon spectrometer A254 (1987) 303
Alburger, D.E., Y. Akiba, J.W. Olness, A.W. Sunyar and M.J. Tannenbaum, CsI(Tl)–^{241}Am calibration source for Pb-glass detectors A254 (1987) 88
Alfassi, Z.B., see Scolink, Y. A254 (1987) 389
Amako, K., see Ahrens, L.A. A254 (1987) 515
Amaudruz, P.A., see Smith, G.R. A254 (1987) 263
Anderson, E.W., see Lindsey, C.S. A254 (1987) 212
Andreani, C., C.J. Carlile, F. Cilloco, C. Pertrillo, F. Sacchetti, G.C. Stirling and C.G. Windsor, PRISMA - a spectrometer for the measurement of coherent excitations on a pulsed spallation neutron source A254 (1987) 333
Aoyama, T., H. Sugiura and T. Watanabe, Application of air proportional counters to a tritium-in-air monitor . A254 (1987) 620
Arai, R., O. Araoka, Y. Doi, T. Haruyama, N. Ishihara, M. Kawai, Y. Kondo, T. Matsui, T. Mito, M. Sakuda, S. Suzuki, M. Tadano, M. Wake, M. Kuramoto, K. Ishibashi and K. Maehata, Test operations of the VENUS superconducting magnet at KEK A254 (1987) 317
Araoka, O., see Arai, R. A254 (1987) 317
Arinc, F., see Wielopolski, L. A254 (1987) 406
Aronson, S.H., see Ahrens, L.A. A254 (1987) 515
Asano, Y., S. Mori, M. Moriya, M. Shioden, Y. Takada, Y. Yamagishi, M. Yoshida, Y. Ikegami and I. Nakano, Tension measurement of 7.6 m drift tubes of the VENUS muon detector A254 (1987) 35
Atkinson, M., J. Fent, C. Fisher, P. Freund, P. Hughes, J. Kirkby, A. Osthoff and K. Pretzl, Initial tests of a high resolution scintillating fibre (SCIFI) tracker A254 (1987) 500
Aubert, J. and C. Lejeune, Analyse expérimentale des correlations entre les qualités optiques d'un faisceau d'ions et les proprietés du plasma émissif A254 (1987) 229
Avignone, F.T., see Brodzinski, R.L. A254 (1987) 472
Azechi, H., see Stapf, R.O. A254 (1987) 135
Azemoon, T., see Bleichert, B. A254 (1987) 529

Bäcklin, A., see Kavka, A.E. A254 (1987) 255
Baker, R.G., see Hunter, S.D. A254 (1987) 186
Bakken, J.A., G. Bellomi, R. Bizzarri, T. Böhringer, B. Borgia, M. Bourquin, D. Boutigny, J.P. Burq, F. Carminati, M. Chemarin, P. Denes, C. Dionisi, H. Elmamouni, P. Extermann, S. Falciano, F. Ferroni, G. Gratta, J.T. He, B. Ille, P. Kaaret, P. Klok, P. Lebrun, E. Longo, Y.S. Lu, J.P. Martin, V. Micke, R. Morand, J. Ossman, D. Perret-Gallix, E. Perrin, P.A. Piroué, N. Produit, S. Rosier, W. Ruckstuhl, D. Schmitz, M.

0168-9002/87/$03.50 © Elsevier Science Publishers B.V.
(North-Holland Physics Publishing Division)

Schneegans, D.P. Stickland, R.L. Sumner, K.L. Tung, E. Valente, M. Vivargent, R. Weill and T. Wijnen, Performance of a prototype BGO calorimeter in an electron beam from 2 to 50 GeV A254 (1987) 535
Ball, R., see Bleichert, B. A254 (1987) 529
Bandyopadhyay, D., see Abegg, R. A254 (1987) 469
Bannach, B., K. Bodek, G. Börker, D. Kamke, J. Krug, P. Lekkas, W. Lübcke and M. Stephan, Facility for neutron induced few body reactions at Bochum University A254 (1987) 373
Barabanov, I.R., V.N. Gavrin and A.M. Pshukov, Liquid xenon scintillation spectrometer A254 (1987) 355
Bari, G., see Alberini, C. A254 (1987) 303
Barichello, G., M. Mazzucato, M. Pegoraro and G. Zumerle, A low noise amplification chain for the vacuum phototriode readout of the DELPHI lead-glass calorimeter A254 (1987) 111
Baringer, P., C. Jung, H.O. Ogren and D.R. Rust, A drift chamber constructed of aluminized mylar tubes A254 (1987) 542
Barreiro, F., see Loehr, B. A254 (1987) 26
Bartle, C.M. and C.R. Purcell, Neutron–gamma transmission (NEUGAT) based composition measurements using an accelerator (*Letter to the Editor*) A254 (1987) 219
Basile, M., see Alberini, C. A254 (1987) 303
Becker, K., see Jänsch, H. A254 (1987) 7
Beier, E.W., see Ahrens, L.A. A254 (1987) 515
Bellomi, G., see Bakken, J.A. A254 (1987) 535
Bertolucci, S., M. Cordelli, M. Curatolo, B. Esposito, P. Giromini, S. Miscetti and A. Sansoni, Influence of magnetic fields on the response of acrylic scintillators A254 (1987) 561
Bhattacharya, R., see Bose, S. A254 (1987) 79
Bhattacharya, R., see Bose, S. A254 (1987) 118
Bieser, F.S., see Kobayashi, T. A254 (1987) 281
Bigham, C.D., W.G. Davies, E.A. Heighway, J.D. Hepburn, C.R.J. Hoffmann, J.A. Hulbert, J.H. Ormrod and H.R. Schneider, First operation of the Chalk River superconducting cyclotron A254 (1987) 237
Bilpuch, E.G., see Shriner Jr, J.F. A254 (1987) 139
Birchall, J., see Abegg, R. A254 (1987) 469
Bizzarri, R., see Bakken, J.A. A254 (1987) 535
Blankenship, J.L., see Teh, K.M. A254 (1987) 600
Blatt, K., see Jänsch, H. A254 (1987) 7
Bleichert, B., F. Lürken, K. Lübelsmeyer, H.U. Martyn, H.G. Sander, W. Wallraff, T. Azemoon, R. Ball, I. Leedom and M. Longo, Test results from a uranium hadron calorimeter using wire chamber readout A254 (1987) 529
Böck, H., see Mukherjee, B. A254 (1987) 182
Bodek, K., see Bannach, B. A254 (1987) 373
Böhringer, T., see Bakken, J.A. A254 (1987) 535
Borgia, B., see Bakken, J.A. A254 (1987) 535
Börker, G., see Bannach, B. A254 (1987) 373
Boschitz, E.T., see Smith, G.R. A254 (1987) 263
Bose, S., M.B. Chatterjee, B.K. Sinha and R. Bhattacharya, Risetime measurement of HPGe detector pulses . . . A254 (1987) 79
Bose, S., M.B. Chatterjee, B.K. Sinha and R. Bhattacharya, Studies on a pulse shaping system for fast coincidence with very large volume HPGe detectors A254 (1987) 118
Bourg, F., R. Geller and B. Jacquot, Source d'ions lourds multichargés CAPRICE 10 GHz pour tous les éléments metalliques et gazeux A254 (1987) 13
Bourquin, M., see Bakken, J.A. A254 (1987) 535
Boutigny, D., see Bakken, J.A. A254 (1987) 535
Breguet, J. and J.-P. Egger, A simple magnetic system to increase the pion stopping density in a gaseous hydrogen target A254 (1987) 22
Brodzinski, R.L., J.H. Reeves, F.T. Avignone and H.S. Miley, The impact of natural radioacivity in solder on low background experiments (*Letter to the Editor*) A254 (1987) 472
Brun, T.O., see Nelligan, W.B. A254 (1987) 563
Bubnov, N.N., see Bunyatova, E.I. A254 (1987) 252
Bujak, A., see Lindsey, C.S. A254 (1987) 212
Bunyatova, E.I. and N.N. Bubnov, Synthesis of chromium (V) complex in deuterated propanediol for a target with "frozen" polarization of deuterons A254 (1987) 252
Burks, B.L., see Teh, K.M. A254 (1987) 600
Burq, J.P., see Bakken, J.A. A254 (1987) 535
Bussière, A., D. Feltin, B. Hamelin, J. Jacobé, K. Kuroda, D. Liaud, A. Michalowicz, C. Nemoz and D. Sillou, A photoelectronic image device for slow neutrons (*Letter to the Editor*) A254 (1987) 215
Butsch, R., see Jänsch, H. A254 (1987) 7

Caccia, M., L. Casoli, P. Guazzoni, D. Marioli, C. Meroni, N. Redaelli, D. Torretta and G. Vegni, Low energy protons as a tool for high energy vertex detector calibration A254 (1987) 327

Cairns, E.W., see Abegg, R. . . . A254 (1987) 469
Callas, J.L., see Ahrens, L.A. . . . A254 (1987) 515
Camplan, J., Note on an energy scanning system for a Van De Graaff or a tandem accelerator (*Letter to the Editor*) . . . A254 (1987) 633
Cara Romeo, G., see Alberini, C. . . . A254 (1987) 303
Carlile, C.J., see Andreani, C. . . . A254 (1987) 333
Carminati, F., see Bakken, J.A. . . . A254 (1987) 535
Casaccia, R., see Alberini, C. . . . A254 (1987) 303
Casoli, L., see Caccia, M. . . . A254 (1987) 327
Charpak, G., see Suzuki, M. . . . A254 (1987) 556
Chatterjee, M.B., see Bose, S. . . . A254 (1987) 79
Chatterjee, M.B., see Bose, S. . . . A254 (1987) 118
Chemarin, M., see Bakken, J.A. . . . A254 (1987) 535
Chen, S.H., see Nelligan, W.B. . . . A254 (1987) 563
Chiba, M., see Nishijima, H. . . . A254 (1987) 463
Cifarelli, L., see Alberini, C. . . . A254 (1987) 303
Cilloco, F., see Andreani, C. . . . A254 (1987) 333
Cindolo, F., see Alberini, C. . . . A254 (1987) 303
Clark, D., see Häusser, O. . . . A254 (1987) 67
Clarke, P., see Ahrens, L.A. . . . A254 (1987) 515
Clegg, T.B., see Schneider, M.B. . . . A254 (1987) 630
Cohen, B., see Segal, Y. . . . A254 (1987) 202
Connolly, P.L., see Ahrens, L.A. . . . A254 (1987) 515
Contin, A., see Alberini, C. . . . A254 (1987) 303
Coombes, G.H., see Abegg, R. . . . A254 (1987) 469
Cordelli, M., see Bertolucci, S. . . . A254 (1987) 561
Curatolo, M., see Bertolucci, S. . . . A254 (1987) 561
Cutts, D., see Ahrens, L.A. . . . A254 (1987) 515

Dafni, E., A note on the application of BaF_2 scintillators to γ-ray and charged particle detection . . . A254 (1987) 54
Dafni, E., see Goldring, G. . . . A254 (1987) 75
D'Ali, G., see Alberini, C. . . . A254 (1987) 303
Dalton, A.W., Light conversion efficiency of small lithium scintillators for electrons, protons, deuterons and alpha particles . . . A254 (1987) 361
Darden, S.E., see Schieck, H.P. . . . A254 (1987) 616
Datta, A.K., see Ray, R. . . . A254 (1987) 393
Davies, W.G., see Bigham, C.D. . . . A254 (1987) 237
Davis, C.A., see Abegg, R. . . . A254 (1987) 469
Davison, N.E., see Abegg, R. . . . A254 (1987) 469
De Pasquale, S., see Alberini, C. . . . A254 (1987) 303
De Vries, J.W., see Evers, E.J. . . . A254 (1987) 91
Del Papa, C., see Alberini, C. . . . A254 (1987) 303
Delheij, P., see Smith, G.R. . . . A254 (1987) 263
Delheij, P.P.J., see Abegg, R. . . . A254 (1987) 469
Denes, P., see Bakken, J.A. . . . A254 (1987) 535
Dionisi, C., see Bakken, J.A. . . . A254 (1987) 535
Diwan, M., see Ahrens, L.A. . . . A254 (1987) 515
Doi, Y., see Arai, R. . . . A254 (1987) 317
Doughty, D.C., see Ahrens, L.A. . . . A254 (1987) 515
Dowell, D.H., W.P. Ziegler, A.M. Sandorfi, B. Ziegler and B. Schoch, The response of a 24 cm $\times$ 36 cm NaI(Tl) spectrometer to γ rays between 50 and 300 MeV . . . A254 (1987) 570
Drosg, M., Novel monoenergetic neutron sources for energies between 2.5 and 25.7 MeV (*Letter to the Editor*) . . . A254 (1987) 466
Duhamel, P., see Van Duppen, P. . . . A254 (1987) 401
Dulude, R.S., see Ahrens, L.A. . . . A254 (1987) 515
Durkin, L.S., see Ahrens, L.A. . . . A254 (1987) 515

Egawa, K., see Adachi, T. . . . A254 (1987) 270
Egger, J.-P., see Breguet, J. . . . A254 (1987) 22
Elleaume, P., see Goulon, J. . . . A254 (1987) 192
Elmamouni, H., see Bakken, J.A. . . . A254 (1987) 535
Elsenaar, R.J., see Evers, E.J. . . . A254 (1987) 91

Engler, J., H. Keim and C. Müller, A track chamber using liquid TMS A254 (1987) 311
Erb, K.A., see Olsen, D.K. A254 (1987) 1
Erickson, T., see Ahrens, L.A. A254 (1987) 515
Esposito, B., see Bertolucci, S. A254 (1987) 561
Evers, E.J., R.J. Elsenaar, J.W. De Vries and W. Smit, A modular acquisition system for coincidence data A254 (1987) 91
Extermann, P., see Bakken, J.A. A254 (1987) 535

Fadel, M.A., W.A. Khalil, R.P. Krodja, N. Sheta and M.S. Abd El-Baset, A molecular fraction method for measuring personnel radiation doses A254 (1987) 427
Fahlander, C., see Kavka, A.E. A254 (1987) 255
Falciano, S., see Bakken, J.A. A254 (1987) 535
Faszer, W., see Henderson, R.S. A254 (1987) 61
Fauber, R.E., see Teh, K.M. A254 (1987) 600
Fedyakin, N.N., R.N. Krasnokutsky and R.S. Shuvalov, Liquid argon ionization drift chamber with coordinate resolution of $\sigma_x \approx 20\ \mu$m A254 (1987) 44
Feltin, D., see Bussière, A. A254 (1987) 215
Fent, J., see Atkinson, M. A254 (1987) 500
Ferroni, F., see Bakken, J.A. A254 (1987) 535
Fick, D., see Jänsch, H. A254 (1987) 7
Findlay, D.J.S., see Sené, M.R. A254 (1987) 591
Fisher, C., see Atkinson, M. A254 (1987) 500
Fraser, G.W., J.E. Pearson and J.E. Lees, Dark noise in microchannel plate X-ray detectors A254 (1987) 447
Freund, P., see Atkinson, M. A254 (1987) 500
Frolov, A.M., V.A. Maisheev and V.L. Mikhaljov, Polarization of high energy γ quanta in strong electromagnetic fields A254 (1987) 549
Fukushima, T., see Nishijima, H. A254 (1987) 463
Funck, E., The influence of the half-life of a metastable state on the dead-time correction for nonextending dead times in single detector systems A254 (1987) 604

Gaiser, N.O., see Schieck, H.P. A254 (1987) 616
Galik, R.S., see Ahrens, L.A. A254 (1987) 515
Gavrin, V.N., see Barabanov, I.R. A254 (1987) 355
Geller, R., see Bourg, F. A254 (1987) 13
Gibbard, D.G., see Ahrens, L.A. A254 (1987) 515
Gill, D.R., see Smith, G.R. A254 (1987) 263
Giromini, P., see Bertolucci, S. A254 (1987) 561
Goldring, G., E. Dafni, B. Rosenwasser and L. Sapir, An improved tilted multifoil assembly for nuclear polarization A254 (1987) 75
Goulon, J., P. Elleaume and D. Raoux, Special multipole wiggler design producing circularly polarized synchrotron radiation A254 (1987) 192
Gratta, G., see Bakken, J.A. A254 (1987) 535
Green, P.W., see Abegg, R. A254 (1987) 469
Greeniaus, L.G., see Abegg, R. A254 (1987) 469
Greiner, D.E., see Kobayashi, T. A254 (1987) 281
Guazzoni, P., see Caccia, M. A254 (1987) 327
Gubler, H.P., see Abegg, R. A254 (1987) 469
Gunther, C., see Henderson, R.S. A254 (1987) 61
Günther, C., see Häusser, O. A254 (1987) 67

Hamelin, B., see Bussière, A. A254 (1987) 215
Hara, A., S. Iwai and T. Nakamura, Establishment of a simple neutron calibration field from a moderated ^{252}Cf source. Part I. Design and calculation of the simple neutron calibration field A254 (1987) 151
Hara, A., see Iwai, S. A254 (1987) 159
Haruyama, T., see Arai, R. A254 (1987) 317
Harvey, B.R. and G.A. Sutton, The properties of ^{235}Np as a tracer and yield monitor in studies of the environmental behaviour of neptunium A254 (1987) 172
Häusser, O., see Henderson, R.S. A254 (1987) 61
Häusser, O., R. Henderson, K. Hicks, D.A. Hutcheon, D. Clark, C. Günther, R. Sawafta and G. Waters, A highly efficient polarimeter for the medium resolution spectrometer at TRIUMF A254 (1987) 67
Hawkes, N.P., see Sené, M.R. A254 (1987) 591
He, J.T., see Bakken, J.A. A254 (1987) 535

Heagy, S.M., see Ahrens, L.A. . . . A254 (1987) 515
Healey, D.C., see Abegg, R. . . . A254 (1987) 469
Healy, D., see Smith, G.R. . . . A254 (1987) 263
Heck, B., see Jänsch, H. . . . A254 (1987) 7
Hedin, D., see Ahrens, L.A. . . . A254 (1987) 515
Heighway, E.A., see Bigham, C.D. . . . A254 (1987) 237
Henaish, B.A., see Sayed, A.M. . . . A254 (1987) 419
Henderson, R., see Häusser, O. . . . A254 (1987) 67
Henderson, R.S., O. Häusser, K. Hicks, C. Gunther, W. Faszer, R. Sawafta and N. Poppe, Large area horizontal drift chambers for a local plane polarimeter at the TRIUMF medium resolution spectrometer . . . A254 (1987) 61
Hepburn, J.D., see Bigham, C.D. . . . A254 (1987) 237
Hicks, K., see Henderson, R.S. . . . A254 (1987) 61
Hicks, K., see Häusser, O. . . . A254 (1987) 67
Hoffmann, C.R.J., see Bigham, C.D. . . . A254 (1987) 237
Hoftun, J.S., see Ahrens, L.A. . . . A254 (1987) 515
Hojvat, C., see Lindsey, C.S. . . . A254 (1987) 212
Hradečný, Č., see Kozma, P. . . . A254 (1987) 639
Hsu, H.H., see Tang, S.M. . . . A254 (1987) 129
Hughes, P., see Atkinson, M. . . . A254 (1987) 500
Hughlock, B.W., see Ahrens, L.A. . . . A254 (1987) 515
Hulbert, J.A., see Bigham, C.D. . . . A254 (1987) 237
Hunter, S.D. and R.G. Baker, A star camera and aspect determination system for balloon borne payloads . . . A254 (1987) 186
Hurley, M., see Ahrens, L.A. . . . A254 (1987) 515
Hutcheon, D.A., see Häusser, O. . . . A254 (1987) 67

Iacobucci, G., see Alberini, C. . . . A254 (1987) 303
Ibrahim, E.M.H., see Sayed, A.M. . . . A254 (1987) 419
Ikeda, H., T. Matsuda, R.C. Jared, F.A. Kirsten and S.R. Olson, A fastbus digitizer system for TOPAZ TPC . . . A254 (1987) 382
Ikegami, Y., see Asano, Y. . . . A254 (1987) 35
Ille, B., see Bakken, J.A. . . . A254 (1987) 535
Ishibashi, K., see Arai, R. . . . A254 (1987) 317
Ishihara, N., see Arai, R. . . . A254 (1987) 317
Ishii, H., see Shintake, T. . . . A254 (1987) 146
Iwai, S., see Hara, A. . . . A254 (1987) 151
Iwai, S., T. Ohkubo, A. Hara and T. Nakamura, Establishment of a simple neutron calibration field using a moderated ^{252}Cf source. Part II. Experimental characterization of simple neutron calibration field . . . A254 (1987) 159
Iwanczyk, J.S., see Warburton, W.K. . . . A254 (1987) 123
Izawa, Y., see Stapf, R.O. . . . A254 (1987) 135

Jacobé, J., see Bussière, A. . . . A254 (1987) 215
Jacquot, B., see Bourg, F. . . . A254 (1987) 13
Jänsch, H., K. Becker, K. Blatt, H. Leucker, D. Fick, R. Butsch, B. Heck, D. Krämer, K.-H. Möbius, W. Ott, P. Paul, R. Suntz, G. Tungate, I.M. Turkiewicz, A. Weller and E. Steffens, Nuclear spin polarized alkali beams (Li and Na): production and acceleration . . . A254 (1987) 7
Jared, R.C., see Ikeda, H. . . . A254 (1987) 382
Johnson, R.R., see Smith, G.R. . . . A254 (1987) 263
Jones, C.M., see Olsen, D.K. . . . A254 (1987) 1
Jones, G., see Smith, G.R. . . . A254 (1987) 263
Joshi, S.R., Nuclear spectrometric determination of uranium isotopes without use of radiochemical yield monitors . . . A254 (1987) 349
Jung, C., see Baringer, P. . . . A254 (1987) 542

Kaaret, P., see Bakken, J.A. . . . A254 (1987) 535
Kabe, S., see Ahrens, L.A. . . . A254 (1987) 515
Kamke, D., see Bannach, B. . . . A254 (1987) 373
Kaper, H.J., J. Van Klinken, T.W. Tuintjer and V.A. Wichers, Si-targets in fine tungsten gauze (*Letter to the Editor*) . . . A254 (1987) 210
Kapustinsky, J., see Tang, S.M. . . . A254 (1987) 129
Kato, S., A variable-angle invert-rotator for beam transport . . . A254 (1987) 487
Kavka, A.E., A. Bäcklin, C. Fahlander, L.E. Svensson and B. Varnestig, A rotating target holder . . . A254 (1987) 255
Kawai, M., see Arai, R. . . . A254 (1987) 317

Keim, H., see Engler, J. . . . A254 (1987) 311
Khalil, W.A., see Fadel, M.A. . . . A254 (1987) 427
Kikutani, E., see Adachi, T. . . . A254 (1987) 270
Kimura, K. and H. Tomura, Particle identification by modified Bragg-curve centroid detection . . . A254 (1987) 583
Kirkby, J., see Atkinson, M. . . . A254 (1987) 500
Kirsten, F.A., see Ikeda, H. . . . A254 (1987) 382
Kishida, T., M. Kuze, F. Sai, T. Tsuboyama and S.S. Yamamoto, A laser calibration system for the KEK TOPAZ barrel TOF counters. Its performance and the characteristics of its major components . . . A254 (1987) 367
Kishiro, J.-I., see Shintake, T. . . . A254 (1987) 146
Klamra, W., Th. Lindblad, M. Moszyński and L.O. Norlin, Properties of optical greases for BaF_2 scintillators . . A254 (1987) 85
Klok, P., see Bakken, J.A. . . . A254 (1987) 535
Kobayashi, M., see Adachi, T. . . . A254 (1987) 270
Kobayashi, M. and S. Sakuragi, Radiation damage of CsI(Tl) crystals above 10^3 rad . . . A254 (1987) 275
Kobayashi, T., F.S. Bieser, T.J.M. Symons and D.E. Greiner, A drift chamber for high-energy heavy ions . . . A254 (1987) 281
Koiso, H., see Adachi, T. . . . A254 (1987) 270
Kollowe, D., Performance of 10×10 mm^2 pin silicon photocells used as high resolution charged particle detectors (*Letter to the Editor*) . . . A254 (1987) 637
Kondo, Y., see Arai, R. . . . A254 (1987) 317
Kozma, P. and Č. Hradečný, Diphenylstilbene as a wavelength shifter (*Letter to the Editor*) . . . A254 (1987) 639
Krämer, D., see Jänsch, H. . . . A254 (1987) 7
Krasnokutsky, R.N., see Fedyakin, N.N. . . . A254 (1987) 44
Krodja, R.P., see Fadel, M.A. . . . A254 (1987) 427
Krug, J., see Bannach, B. . . . A254 (1987) 373
Kuramoto, M., see Arai, R. . . . A254 (1987) 317
Kurihara, Y., see Ahrens, L.A. . . . A254 (1987) 515
Kuroda, K., see Bussière, A. . . . A254 (1987) 215
Kurokawa, S.-I., see Adachi, T. . . . A254 (1987) 270
Kuze, M., see Kishida, T. . . . A254 (1987) 367
Kyle, G.S., see Smith, G.R. . . . A254 (1987) 263

Lanou, R.E., see Ahrens, L.A. . . . A254 (1987) 515
Lapointe, C., see Abegg, R. . . . A254 (1987) 469
Laurenti, G., see Alberini, C. . . . A254 (1987) 303
Lebrun, P., see Bakken, J.A. . . . A254 (1987) 535
Lee, W.P., see Abegg, R. . . . A254 (1987) 469
Leedom, I., see Bleichert, B. . . . A254 (1987) 529
Lees, J.E., see Fraser, G.W. . . . A254 (1987) 447
Lejeune, C., see Aubert, J. . . . A254 (1987) 229
Lekkas, P., see Bannach, B. . . . A254 (1987) 373
LePoire, D.J., see Nelligan, W.B. . . . A254 (1987) 563
Leucker, H., see Jänsch, H. . . . A254 (1987) 7
Liaud, D., see Bussière, A. . . . A254 (1987) 215
Lindblad, Th., see Klamra, W. . . . A254 (1987) 85
Lindsey, C.S., E.W. Anderson, C. Hojvat, F. Turkot and A. Bujak, Degradation of plastic scintillator exposed to Tevatron tunnel background radiation (*Letter to the Editor*) . . . A254 (1987) 212
Liu Dengchou, Histogram effects of ADCs and an improved fitting formula (*Letter to the Editor*) . . . A254 (1987) 640
Loehr, B., S. Weissenrieder, F. Barreiro and E. Ros, An electromagnetic calorimeter with wavelength shifting fiber readout . . . A254 (1987) 26
Lolos, G.J., see Smith, G.R. . . . A254 (1987) 263
Longo, E., see Bakken, J.A. . . . A254 (1987) 535
Longo, M., see Bleichert, B. . . . A254 (1987) 529
Loong, C.-K., see Nelligan, W.B. . . . A254 (1987) 563
Lu, Y.S., see Bakken, J.A. . . . A254 (1987) 535
Lübcke, W., see Bannach, B. . . . A254 (1987) 373
Lübelsmeyer, K., see Bleichert, B. . . . A254 (1987) 529
Ludwig, E.J., see Teh, K.M. . . . A254 (1987) 600
Lürken, F., see Bleichert, B. . . . A254 (1987) 529

Maccarrone, G., see Alberini, C. . . . A254 (1987) 303
Maehata, K., see Arai, R. . . . A254 (1987) 317
Maekawa, H., see Yamaguchi, S. . . . A254 (1987) 413

Maguire, C.F., see Teh, K.M. . . . A254 (1987) 600
Maisheev, V.A., see Frolov, A.M. . . . A254 (1987) 549
Mandour, M.A., The influence of cylindrical air cavities on fluence distributions of high energy electrons A254 (1987) 434
Manduchi, C., M.T. Russo-Manduchi and G.F. Segato, A position-sensitive n-detector for neutron-fragment correlation measurements . . . A254 (1987) 342
Mann, A.K., see Ahrens, L.A. . . . A254 (1987) 515
Marioli, D., see Caccia, M. . . . A254 (1987) 327
Martin, J.P., see Bakken, J.A. . . . A254 (1987) 535
Martyn, H.U., see Bleichert, B. . . . A254 (1987) 529
Marx, M.D., see Ahrens, L.A. . . . A254 (1987) 515
Massam, T., see Alberini, C. . . . A254 (1987) 303
Massimo, J.T., see Ahrens, L.A. . . . A254 (1987) 515
Masuda, Y., see Adachi, T. . . . A254 (1987) 270
Mathie, E.L., see Smith, G.R. . . . A254 (1987) 263
Matsuda, T., see Ikeda, H. . . . A254 (1987) 382
Matsui, T., see Arai, R. . . . A254 (1987) 317
Mayer, G., Laser induced multiplication and visualization of free electrons in dense monoatomic gases . . . A254 (1987) 100
Mazzucato, M., see Barichello, G. . . . A254 (1987) 111
McDonald, W.J., see Abegg, R. . . . A254 (1987) 469
Medina, J., see Sequeiros, J. . . . A254 (1987) 440
Mehta, D., S. Singh, H.R. Verma, N. Singh and P.N. Trehan, X- and gamma-ray intensity measurements in ^{137}Cs and ^{203}Hg decays . . . A254 (1987) 578
Meroni, C., see Caccia, M. . . . A254 (1987) 327
Michalowicz, A., see Bussière, A. . . . A254 (1987) 215
Micke, V., see Bakken, J.A. . . . A254 (1987) 535
Mikhaljov, V.L., see Frolov, A.M. . . . A254 (1987) 549
Miley, H.S., see Brodzinski, R.L. . . . A254 (1987) 472
Miller, C.A., see Abegg, R. . . . A254 (1987) 469
Milner, W.T., see Olsen, D.K. . . . A254 (1987) 1
Miscetti, S., see Bertolucci, S. . . . A254 (1987) 561
Mitchell, G.E., see Shriner Jr, J.F. . . . A254 (1987) 139
Mito, T., see Arai, R. . . . A254 (1987) 317
Miyanaga, N., see Stapf, R.O. . . . A254 (1987) 135
Möbius, K.-H., see Jänsch, H. . . . A254 (1987) 7
Morand, R., see Bakken, J.A. . . . A254 (1987) 535
Mori, S., see Asano, Y. . . . A254 (1987) 35
Moriya, M., see Asano, Y. . . . A254 (1987) 35
Morsy, S.M., see Sayed, A.M. . . . A254 (1987) 419
Moss, G.A., see Abegg, R. . . . A254 (1987) 469
Moszyński, M., see Klamra, W. . . . A254 (1987) 85
Motta, F., see Alberini, C. . . . A254 (1987) 303
Mukherjee, B., H. Böck and N. Vana, Application of LiF thermoluminescence dosimeter powders in neutron gamma field dosimetry and dose mapping in the thermal column of a TRIGA Mk II reactor . . . A254 (1987) 182
Müller, C., see Engler, J. . . . A254 (1987) 311
Murtagh, M.J., see Ahrens, L.A. . . . A254 (1987) 515
Murtagh, S.J., see Ahrens, L.A. . . . A254 (1987) 515

Nagashima, Y., see Ahrens, L.A. . . . A254 (1987) 515
Nakaishi, H., see Stapf, R.O. . . . A254 (1987) 135
Nakamura, T., see Hara, A. . . . A254 (1987) 151
Nakamura, T., see Iwai, S. . . . A254 (1987) 159
Nakamura, Y., see Yamaguchi, S. . . . A254 (1987) 413
Nakano, I., see Asano, Y. . . . A254 (1987) 35
Nania, R., see Alberini, C. . . . A254 (1987) 303
Naqvi, S.I.H., see Smith, G.R. . . . A254 (1987) 263
Nelligan, W.B., D.J. LePoire, C.-K. Loong, T.O. Brun and S.H. Chen, Molecular spectroscopy of n-butane by incoherent inelastic neutron scattering . . . A254 (1987) 563
Nemoz, C., see Bussière, A. . . . A254 (1987) 215
Newcomer, F.M., see Ahrens, L.A. . . . A254 (1987) 515
Nishijima, H., T. Fukushima, H. Shirakura and M. Chiba, Measurement of Cherenkov light from a solution of sodium chloride . . . A254 (1987) 463

Norlin, L.O., see Klamra, W. . . . A254 (1987) 85
Nyga, K.R., see Schieck, H.P. . . . A254 (1987) 616

Ogren, H.O., see Baringer, P. . . . A254 (1987) 542
Oh, S., see Yoon, M. . . . A254 (1987) 477
Ohkubo, T., see Iwai, S. . . . A254 (1987) 159
Olness, J.W., see Alburger, D.E. . . . A254 (1987) 88
Olsen, D.K., K.A. Erb, C.M. Jones, W.T. Milner, D.C. Weiser and N.F. Ziegler, Calibration of the HHIRF tandem accelerator energy-analyzing magnet . . . A254 (1987) 1
Olson, S.R., see Ikeda, H. . . . A254 (1987) 382
Ormrod, J.H., see Bigham, C.D. . . . A254 (1987) 237
Ossman, J., see Bakken, J.A. . . . A254 (1987) 535
Osthoff, A., see Atkinson, M. . . . A254 (1987) 500
Ott, W., see Jänsch, H. . . . A254 (1987) 7
Otterman, C.R., see Smith, G.R. . . . A254 (1987) 263
Ottewell, D., see Smith, G.R. . . . A254 (1987) 263
Oyama, Y., see Yamaguchi, S. . . . A254 (1987) 413

Palmonari, F., see Alberini, C. . . . A254 (1987) 303
Paul, P., see Jänsch, H. . . . A254 (1987) 7
Pearson, J.E., see Fraser, G.W. . . . A254 (1987) 447
Pegoraro, M., see Barichello, G. . . . A254 (1987) 111
Peng, J.C., see Tang, S.M. . . . A254 (1987) 129
Perotto, E., see Alberini, C. . . . A254 (1987) 303
Perret-Gallix, D., see Bakken, J.A. . . . A254 (1987) 535
Perrin, E., see Bakken, J.A. . . . A254 (1987) 535
Pertrillo, C., see Andreani, C. . . . A254 (1987) 333
Piroué, P.A., see Bakken, J.A. . . . A254 (1987) 535
Plattner, G.R., see Abegg, R. . . . A254 (1987) 469
Poffenberger, P.R., see Abegg, R. . . . A254 (1987) 469
Poppe, N., see Henderson, R.S. . . . A254 (1987) 61
Prescher, T., M. Richter, B. Sonntag and H.E. Wetzel, Electron heated high temperature atomic beam source for VUV photoelectron spectroscopy . . . A254 (1987) 627
Pretzl, K., see Atkinson, M. . . . A254 (1987) 500
Prior, R.M., see Schieck, H.P. . . . A254 (1987) 616
Prisco, G., see Alberini, C. . . . A254 (1987) 303
Produit, N., see Bakken, J.A. . . . A254 (1987) 535
Proykova, A., Determination of detecting system response function . . . A254 (1987) 611
Pshukov, A.M., see Barabanov, I.R. . . . A254 (1987) 355
Purcell, C.R., see Bartle, C.M. . . . A254 (1987) 219

Ramsay, W.D., see Abegg, R. . . . A254 (1987) 469
Raoux, D., see Goulon, J. . . . A254 (1987) 192
Ray, R. and A.K. Datta, External electrostatic deflector techniques for pulse selection from the 37 inch cyclotron at SINP, Calcutta . . . A254 (1987) 393
Redaelli, N., see Caccia, M. . . . A254 (1987) 327
Reeves, J.H., see Brodzinski, R.L. . . . A254 (1987) 472
Richter, M., see Prescher, T. . . . A254 (1987) 627
Ros, E., see Loehr, B. . . . A254 (1987) 26
Rosenwasser, B., see Goldring, G. . . . A254 (1987) 75
Rosier, S., see Bakken, J.A. . . . A254 (1987) 535
Roy, G., see Abegg, R. . . . A254 (1987) 469
Rozon, F.M., see Smith, G.R. . . . A254 (1987) 263
Ruckstuhl, W., see Bakken, J.A. . . . A254 (1987) 535
Russo-Manduchi, M.T., see Manduchi, C. . . . A254 (1987) 342
Rust, D.R., see Baringer, P. . . . A254 (1987) 542

Sacchetti, F., see Andreani, C. . . . A254 (1987) 333
Sai, F., see Kishida, T. . . . A254 (1987) 367
Sakuda, M., see Arai, R. . . . A254 (1987) 317
Sakuragi, S., see Kobayashi, M. . . . A254 (1987) 275

Sander, H.G., see Bleichert, B. . . . A254 (1987) 529
Sandorfi, A.M., see Dowell, D.H. . . . A254 (1987) 570
Sansoni, A., see Bertolucci, S. . . . A254 (1987) 561
Sapir, L., see Goldring, G. . . . A254 (1987) 75
Sartorelli, G., see Alberini, C. . . . A254 (1987) 303
Sauli, F., see Suzuki, M. . . . A254 (1987) 556
Sawafta, R., see Henderson, R.S. . . . A254 (1987) 61
Sawafta, R., see Häusser, O. . . . A254 (1987) 67
Sayed, A.M., E.M.H. Ibrahim, B.A. Henaish and S.M. Morsy, Gamma and neutron dosimetry based on electrical conductivity of TL phosphors . . . A254 (1987) 419
Schieck, H.P., N.O. Gaiser, K.R. Nyga, R.M. Prior and S.E. Darden, Maximum analyzing power of the reaction $^{23}Na(\vec{p},\alpha_0)^{20}Ne$ and measurement of all polarization components of a ^{23}Na beam . . . A254 (1987) 616
Schmitz, D., see Bakken, J.A. . . . A254 (1987) 535
Schneegans, M., see Bakken, J.A. . . . A254 (1987) 535
Schneider, H.R., see Bigham, C.D. . . . A254 (1987) 237
Schneider, M.B. and T.B. Clegg, Optically pumped tensor-polarized deuterium sources (*Letter to the Editor*) . . . A254 (1987) 630
Schoch, B., see Dowell, D.H. . . . A254 (1987) 570
Schultheiss, C., Insulator with reduced *E*-field on surface . . . A254 (1987) 398
Scolink, Y., G. Shani and Z.B. Alfassi, Scintillation properties of crystalline 9,10-diphenylanthracene. A proof for triplet–triplet annihilation . . . A254 (1987) 389
Segal, Y. and B. Cohen, Film based industrial computerized tomography . . . A254 (1987) 202
Segato, G.F., see Manduchi, C. . . . A254 (1987) 342
Sené, M.R., N.P. Hawkes and D.J.S. Findlay, Afterpulsing in 130 mm diameter photomultiplier tubes . . . A254 (1987) 591
Sequeiros, J. and J. Medina, A silicon surface barrier telescope for solar energetic particle analysis . . . A254 (1987) 440
Sevior, M., see Smith, G.R. . . . A254 (1987) 263
Shani, G., see Scolink, Y. . . . A254 (1987) 389
Shapira, D., see Teh, K.M. . . . A254 (1987) 600
Sheta, N., see Fadel, M.A. . . . A254 (1987) 427
Shinkawa, T., see Ahrens, L.A. . . . A254 (1987) 515
Shintake, T., M. Tejima, H. Ishii and J.-I. Kishiro, Sensitivity calculation of beam position monitor using boundary element method . . . A254 (1987) 146
Shioden, M., see Asano, Y. . . . A254 (1987) 35
Shirakura, H., see Nishijima, H. . . . A254 (1987) 463
Shriner Jr, J.F., G.E. Mitchell and E.G. Bilpuch, Significance levels of linear correlation coefficients . . . A254 (1987) 139
Shuvalov, R.S., see Fedyakin, N.N. . . . A254 (1987) 44
Sillou, D., see Bussière, A. . . . A254 (1987) 215
Simmons, J.E., see Tang, S.M. . . . A254 (1987) 129
Singh, N., see Mehta, D. . . . A254 (1987) 578
Singh, S., see Mehta, D. . . . A254 (1987) 578
Sinha, B.K., see Bose, S. . . . A254 (1987) 79
Sinha, B.K., see Bose, S. . . . A254 (1987) 118
Smit, W., see Evers, E.J. . . . A254 (1987) 91
Smith, G.R., P. Delheij, D.R. Gill, D. Healy, D. Ottewell, G.D. Wait, P. Walden, R.R. Johnson, G. Jones, F.M. Rozon, M. Sevior, F. Tervisidis, R.P. Trelle, E.L. Mathie, S.I.H. Naqvi, G.J. Lolos, C.R. Otterman, E.T. Boschitz, G.S. Kyle and P.A. Amaudruz, Direct measurement of the tensor polarization of a polarized deuteron target . . . A254 (1987) 263
Sonntag, B., see Prescher, T. . . . A254 (1987) 627
Soukup, J., see Abegg, R. . . . A254 (1987) 469
Sperr, P., Timing measurements with barium fluoride scintillators (*Letter to the Editor*) . . . A254 (1987) 635
Stapf, R.O., H. Azechi, N. Miyanaga, H. Nakaishi, M. Yamanaka, Y. Izawa, T. Yamanaka and C. Yamanaka, Calibration of neutron detector response to 2.45 MeV neutrons based on 3.02 MeV proton tracks in CR39 . . A254 (1987) 135
Steffens, E., see Jänsch, H. . . . A254 (1987) 7
Stephan, M., see Bannach, B. . . . A254 (1987) 373
Stern, E., see Ahrens, L.A. . . . A254 (1987) 515
Stickland, D.P., see Bakken, J.A. . . . A254 (1987) 535
Stirling, G.C., see Andreani, C. . . . A254 (1987) 333
Strock, P., see Suzuki, M. . . . A254 (1987) 556
Sugiura, H., see Aoyama, T. . . . A254 (1987) 620
Sumner, R.L., see Bakken, J.A. . . . A254 (1987) 535
Suntz, R., see Jänsch, H. . . . A254 (1987) 7
Sunyar, A.W., see Alburger, D.E. . . . A254 (1987) 88

Susinno, G., see Alberini, C. A254 (1987) 303
Sutton, G.A., see Harvey, B.R. A254 (1987) 172
Suzuki, M., P. Strock, F. Sauli and G. Charpak, The emission spectra of Ar, Kr and Xe + TEA A254 (1987) 556
Suzuki, S., see Arai, R. A254 (1987) 317
Suzuki, Y., see Ahrens, L.A. A254 (1987) 515
Svenne, J.P., see Abegg, R. A254 (1987) 469
Svensson, L.E., see Kavka, A.E. A254 (1987) 255
Symons, T.J.M., see Kobayashi, T. A254 (1987) 281

Tadano, M., see Arai, R. A254 (1987) 317
Takada, Y., see Asano, Y. A254 (1987) 35
Tang, S.M., H.H. Hsu, J.E. Simmons, J. Kapustinsky and J.C. Peng, Energy resolutions of a position-sensitive NaI detector by Monte Carlo simulations A254 (1987) 129
Tannenbaum, M.J., see Alburger, D.E. A254 (1987) 88
Tatsumi, S., see Ahrens, L.A. A254 (1987) 515
Teh, K.M., D. Shapira, B.L. Burks, R.L. Varner, J.L. Blankenship, E.J. Ludwig, R.E. Fauber and C.F. Maguire, Some properties of slow plastic scintillators A254 (1987) 600
Tejima, M., see Shintake, T. A254 (1987) 146
Terada, S., see Ahrens, L.A. A254 (1987) 515
Tervisidis, F., see Smith, G.R. A254 (1987) 263
Tkachuk, R., see Abegg, R. A254 (1987) 469
Tomura, H., see Kimura, K. A254 (1987) 583
Torretta, D., see Caccia, M. A254 (1987) 327
Trehan, P.N., see Mehta, D. A254 (1987) 578
Trelle, R.P., see Smith, G.R. A254 (1987) 263
Tsuboyama, T., see Kishida, T. A254 (1987) 367
Tuintjer, T.W., see Kaper, H.J. A254 (1987) 210
Tung, K.L., see Bakken, J.A. A254 (1987) 535
Tungate, G., see Jänsch, H. A254 (1987) 7
Turkiewicz, I.M., see Jänsch, H. A254 (1987) 7
Turkot, F., see Lindsey, C.S. A254 (1987) 212

Valente, E., see Bakken, J.A. A254 (1987) 535
Van Berg, R., see Ahrens, L.A. A254 (1987) 515
Van Duppen, P., P. Duhamel and J. Vanhorenbeeck, Timing properties of a "lege"-type (low energy germanium) detector A254 (1987) 401
Van Klinken, J., see Kaper, H.J. A254 (1987) 210
Van Oers, W.T.H., see Abegg, R. A254 (1987) 469
Vana, N., see Mukherjee, B. A254 (1987) 182
Vanhorenbeeck, J., see Van Duppen, P. A254 (1987) 401
Varner, R.L., see Teh, K.M. A254 (1987) 600
Varnestig, B., see Kavka, A.E. A254 (1987) 255
Vegni, G., see Caccia, M. A254 (1987) 327
Verma, H.R., see Mehta, D. A254 (1987) 578
Vivargent, M., see Bakken, J.A. A254 (1987) 535
Votano, L., see Alberini, C. A254 (1987) 303

Wait, G.D., see Smith, G.R. A254 (1987) 263
Wait, G.D., see Abegg, R. A254 (1987) 469
Wake, M., see Arai, R. A254 (1987) 317
Walden, P., see Smith, G.R. A254 (1987) 263
Wallraff, W., see Bleichert, B. A254 (1987) 529
Warburton, W.K. and J.S. Iwanczyk, Timing techniques for improving thick HgI_2 gamma-ray detector performance A254 (1987) 123
Watanabe, T., see Aoyama, T. A254 (1987) 620
Waters, G., see Häusser, O. A254 (1987) 67
Weill, R., see Bakken, J.A. A254 (1987) 535
Weiser, D.C., see Olsen, D.K. A254 (1987) 1
Weissenrieder, S., see Loehr, B. A254 (1987) 26
Weller, A., see Jänsch, H. A254 (1987) 7
Wetzel, H.E., see Prescher, T. A254 (1987) 627

White, D.H., see Ahrens, L.A. A254 (1987) 515
Wichers, V.A., see Kaper, H.J. A254 (1987) 210
Wielopolski, L. and F. Arinc, Compton-sampling surface for Monte Carlo calculations in the energy range 0.1 to 100 MeV A254 (1987) 406
Wijnen, T., see Bakken, J.A. A254 (1987) 535
Williams, H.H., see Ahrens, L.A. A254 (1987) 515
Willutsky, W., see Alberini, C. A254 (1987) 303
Windsor, C.G., see Andreani, C. A254 (1987) 333

Yamagishi, Y., see Asano, Y. A254 (1987) 35
Yamaguchi, H., see Yamane, I. A254 (1987) 225
Yamaguchi, S., Y. Oyama, Y. Nakamura and H. Maekawa, An on-line method for tritium production measurement with a pair of lithium-glass scintillators A254 (1987) 413
Yamaguchi, Y., see Ahrens, L.A. A254 (1987) 515
Yamamoto, S.S., see Kishida, T. A254 (1987) 367
Yamanaka, C., see Stapf, R.O. A254 (1987) 135
Yamanaka, M., see Stapf, R.O. A254 (1987) 135
Yamanaka, T., see Stapf, R.O. A254 (1987) 135
Yamane, I. and H. Yamaguchi, A new type of stripping carbon foil for H^- charge-exchange injection into a synchrotron A254 (1987) 225
Yoon, M. and S. Oh, Analysis of the magnetic field and studies of the beam dynamics for H^- ions in the University of Manitoba cyclotron A254 (1987) 477
York, T., see Ahrens, L.A. A254 (1987) 515
Yoshida, M., see Asano, Y. A254 (1987) 35

Zhang, Y.P., see Abegg, R. A254 (1987) 469
Zheng, Z.P., see Adachi, T. A254 (1987) 270
Zichichi, A., see Alberini, C. A254 (1987) 303
Ziegler, B., see Dowell, D.H. A254 (1987) 570
Ziegler, N.F., see Olsen, D.K. A254 (1987) 1
Ziegler, W.P., see Dowell, D.H. A254 (1987) 570
Zumerle, G., see Barichello, G. A254 (1987) 111

Nuclear Instruments and Methods in Physics Research A254 (1987) 666–670
North-Holland, Amsterdam

SUBJECT INDEX

Accelerators, Beam Handling and Targets

Calibration of the HHIRF tandem accelerator energy-analyzing magnet, Olsen, D.K., K.A. Erb, C.M. Jones, W.T. Milner, D.C. Weiser and N.F. Ziegler A254 (1987) 1
Nuclear spin polarized alkali beams (Li and Na): production and acceleration, Jänsch, H., K. Becker, K. Blatt, H. Leucker, D. Fick, R. Butsch, B. Heck, D. Krämer, K.-H. Möbius, W. Ott, P. Paul, R. Suntz, G. Tungate, I.M. Turkiewicz, A. Weller and E. Steffens A254 (1987) 7
Source d'ions lourds multichargés CAPRICE 10 GHz pour tous les éléments metalliques et gazeux, Bourg, F., R. Geller and B. Jacquot A254 (1987) 13
A simple magnetic system to increase the pion stopping density in a gaseous hydrogen target, Breguet, J. and J.-P. Egger A254 (1987) 22
Si-targets in fine tungsten gauze (*Letter to the Editor*), Kaper, H.J., J. Van Klinken, T.W. Tuintjer and V.A. Wichers A254 (1987) 210
A new type of stripping carbon foil for H^- charge-exchange injection into a synchrotron, Yamane, I. and H. Yamaguchi A254 (1987) 225
Analyse expérimentale des correlations entre les qualités optiques d'un faisceau d'ions et les proprietés du plasma émissif, Aubert, J. and C. Lejeune A254 (1987) 229
First operation of the Chalk River superconducting cyclotron, Bigham, C.D., W.G. Davies, E.A. Heighway, J.D. Hepburn, C.R.J. Hoffmann, J.A. Hulbert, J.H. Ormrod and H.R. Schneider A254 (1987) 237
Synthesis of chromium (V) complex in deuterated propanediol for a target with "frozen" polarization of deuterons, Bunyatova, E.I. and N.N. Bubnov A254 (1987) 252
A rotating target holder, Kavka, A.E., A. Bäcklin, C. Fahlander, L.E. Svensson and B. Varnestig A254 (1987) 255
Direct measurement of the tensor polarization of a polarized deuteron target, Smith, G.R., P. Delheij, D.R. Gill, D. Healy, D. Ottewell, G.D. Wait, P. Walden, R.R. Johnson, G. Jones, F.M. Rozon, M. Sevior, F. Tervisidis, R.P. Trelle, E.L. Mathie, S.I.H. Naqvi, G.J. Lolos, C.R. Otterman, E.T. Boschitz, G.S. Kyle and P.A. Amaudruz A254 (1987) 263
Novel monoenergetic neutron sources for energies between 2.5 and 25.7 MeV (*Letter to the Editor*), Drosg, M. . A254 (1987) 466
Proton target polarization measured with a polarized neutron beam at 477 MeV (*Letter to the Editor*), Abegg, R., D. Bandyopadhyay, J. Birchall, E.W. Cairns, G.H. Coombes, C.A. Davis, N.E. Davison, P.P.J. Delheij, P.W. Green, L.G. Greeniaus, H.P. Gubler, D.C. Healey, C. Lapointe, W.P. Lee, W.J. McDonald, C.A. Miller, G.A. Moss, G.R. Plattner, P.R. Poffenberger, W.D. Ramsay, G. Roy, J. Soukup, J.P. Svenne, R. Tkachuk, W.T.H. Van Oers, G.D. Wait and Y.P. Zhang A254 (1987) 469
Analysis of the magnetic field and studies of the beam dynamics for H^- ions in the University of Manitoba cyclotron, Yoon, M. and S. Oh A254 (1987) 477
A variable-angle invert-rotator for beam transport, Kato, S. A254 (1987) 487
Optically pumped tensor-polarized deuterium sources (*Letter to the Editor*), Schneider, M.B. and T.B. Clegg . . . A254 (1987) 630
Note on an energy scanning system for a Van De Graaff or a tandem accelerator (*Letter to the Editor*), Camplan, J. A254 (1987) 633

Instruments and Methods for High Energy Physics

An electromagnetic calorimeter with wavelength shifting fiber readout, Loehr, B., S. Weissenrieder, F. Barreiro and E. Ros A254 (1987) 26
Tension measurement of 7.6 m drift tubes of the VENUS muon detector, Asano, Y., S. Mori, M. Moriya, M. Shioden, Y. Takada, Y. Yamagishi, M. Yoshida, Y. Ikegami and I. Nakano A254 (1987) 35
Liquid argon ionization drift chamber with coordinate resolution of $\sigma_x \approx 20$ μm, Fedyakin, N.N., R.N. Krasnokutsky and R.S. Shuvalov A254 (1987) 44
Degradation of plastic scintillator exposed to Tevatron tunnel background radiation (*Letter to the Editor*), Lindsey, C.S., E.W. Anderson, C. Hojvat, F. Turkot and A. Bujak A254 (1987) 212
Response of a large CsI(Tl) crystal to electrons and pions below 1.5 GeV/c, Adachi, T., K. Egawa, E. Kikutani, M. Kobayashi, H. Koiso, S.-I. Kurokawa, Y. Masuda and Z.P. Zheng A254 (1987) 270

0168-9002/87/$03.50 © Elsevier Science Publishers B.V.
(North-Holland Physics Publishing Division)

Radiation damage of CsI(Tl) crystals above 10^3 rad, Kobayashi, M. and S. Sakuragi A254 (1987) 275
A drift chamber for high-energy heavy ions, Kobayashi, T., F.S. Bieser, T.J.M. Symons and D.E. Greiner A254 (1987) 281
Drift chambers for a large-area, high-precision muon spectrometer, Alberini, C., G. Bari, M. Basile, G. Cara Romeo, R. Casaccia, L. Cifarelli, F. Cindolo, A. Contin, G. D'Ali, C. Del Papa, S. De Pasquale, G. Iacobucci, G. Laurenti, G. Maccarrone, T. Massam, F. Motta, R. Nania, F. Palmonari, E. Perotto, G. Prisco, G. Sartorelli, G. Susinno, L. Votano, W. Willutsky and A. Zichichi A254 (1987) 303
A track chamber using liquid TMS, Engler, J., H. Keim and C. Müller A254 (1987) 311
Test operations of the VENUS superconducting magnet at KEK, Arai, R., O. Araoka, Y. Doi, T. Haruyama, N. Ishihara, M. Kawai, Y. Kondo, T. Matsui, T. Mito, M. Sakuda, S. Suzuki, M. Tadano, M. Wake, M. Kuramoto, K. Ishibashi and K. Maehata A254 (1987) 317
Low energy protons as a tool for high energy vertex detector calibration, Caccia, M., L. Casoli, P. Guazzoni, D. Marioli, C. Meroni, N. Redaelli, D. Torretta and G. Vegni A254 (1987) 327
Initial tests of a high resolution scintillating fibre (SCIFI) tracker, Atkinson, M., J. Fent, C. Fisher, P. Freund, P. Hughes, J. Kirkby, A. Osthoff and K. Pretzl A254 (1987) 500
A massive, fine-grained detector for the elastic reactions induced by neutrinos in the GeV energy region, Ahrens, L.A., S.H. Aronson, P.L. Connolly, T. Erickson, D.G. Gibbard, M.J. Murtagh, S.J. Murtagh, S. Terada, D.H. White, J.L. Callas, D. Cutts, M. Diwan, R.S. Dulude, J.S. Hoftun, B.W. Hughlock, R.E. Lanou, J.T. Massimo, T. Shinkawa, Y. Kurihara, K. Amako, S. Kabe, Y. Nagashima, Y. Suzuki, S. Tatsumi, Y. Yamaguchi, K. Abe, E.W. Beier, D.C. Doughty, L.S. Durkin, R.S. Galik, S.M. Heagy, M. Hurley, A.K. Mann, F.M. Newcomer, R. Van Berg, H.H. Williams, T. York, P. Clarke, D. Hedin, M.D. Marx and E. Stern A254 (1987) 515
Test results from a uranium hadron calorimeter using wire chamber readout, Bleichert, B., F. Lürken, K. Lübelsmeyer, H.U. Martyn, H.G. Sander, W. Wallraff, T. Azemoon, R. Ball, I. Leedom and M. Longo A254 (1987) 529
Performance of a prototype BGO calorimeter in an electron beam from 2 to 50 GeV, Bakken, J.A., G. Bellomi, R. Bizzarri, T. Böhringer, B. Borgia, M. Bourquin, D. Boutigny, J.P. Burq, F. Carminati, M. Chemarin, P. Denes, C. Dionisi, H. Elmamouni, P. Extermann, S. Falciano, F. Ferroni, G. Gratta, J.T. He, B. Ille, P. Kaaret, P. Klok, P. Lebrun, E. Longo, Y.S. Lu, J.P. Martin, V. Micke, R. Morand, J. Ossman, D. Perret-Gallix, E. Perrin, P.A. Piroué, N. Produit, S. Rosier, W. Ruckstuhl, D. Schmitz, M. Schneegans, D.P. Stickland, R.L. Sumner, K.L. Tung, E. Valente, M. Vivargent, R. Weill and T. Wijnen A254 (1987) 535
A drift chamber constructed of aluminized mylar tubes, Baringer, P., C. Jung, H.O. Ogren and D.R. Rust A254 (1987) 542
Polarization of high energy γ quanta in strong electromagnetic fields, Frolov, A.M., V.A. Maisheev and V.L. Mikhaljov A254 (1987) 549
The emission spectra of Ar, Kr and Xe + TEA, Suzuki, M., P. Strock, F. Sauli and G. Charpak A254 (1987) 556
Influence of magnetic fields on the response of acrylic scintillators, Bertolucci, S., M. Cordelli, M. Curatolo, B. Esposito, P. Giromini, S. Miscetti and A. Sansoni A254 (1987) 561

Instruments and Methods for Nuclear Spectroscopy

A note on the application of BaF_2 scintillators to γ-ray and charged particle detection, Dafni, E. A254 (1987) 54
Large area horizontal drift chambers for a local plane polarimeter at the TRIUMF medium resolution spectrometer, Henderson, R.S., O. Häusser, K. Hicks, C. Gunther, W. Faszer, R. Sawafta and N. Poppe . . . A254 (1987) 61
A highly efficient polarimeter for the medium resolution spectrometer at TRIUMF, Häusser, O., R. Henderson, K. Hicks, D.A. Hutcheon, D. Clark, C. Günther, R. Sawafta and G. Waters A254 (1987) 67
An improved tilted multifoil assembly for nuclear polarization, Goldring, G., E. Dafni, B. Rosenwasser and L. Sapir A254 (1987) 75
Risetime measurement of HPGe detector pulses, Bose, S., M.B. Chatterjee, B.K. Sinha and R. Bhattacharya . . . A254 (1987) 79
Properties of optical greases for BaF_2 scintillators, Klamra, W., Th. Lindblad, M. Moszyński and L.O. Norlin . . A254 (1987) 85
CsI(Tl)–^{241}Am calibration source for Pb-glass detectors, Alburger, D.E., Y. Akiba, J.W. Olness, A.W. Sunyar and M.J. Tannenbaum A254 (1987) 88
A photoelectronic image device for slow neutrons (*Letter to the Editor*), Bussière, A., D. Feltin, B. Hamelin, J. Jacobé, K. Kuroda, D. Liaud, A. Michalowicz, C. Nemoz and D. Sillou A254 (1987) 215
Neutron–gamma transmission (NEUGAT) based composition measurements using an accelerator (*Letter to the Editor*), Bartle, C.M. and C.R. Purcell A254 (1987) 219
PRISMA – a spectrometer for the measurement of coherent excitations on a pulsed spallation neutron source, Andreani, C., C.J. Carlile, F. Cilloco, C. Pertrillo, F. Sacchetti, G.C. Stirling and C.G. Windsor A254 (1987) 333
A position-sensitive n-detector for neutron-fragment correlation measurements, Manduchi, C., M.T. Russo-Manduchi and G.F. Segato A254 (1987) 342
Nuclear spectrometric determination of uranium isotopes without use of radiochemical yield monitors, Joshi, S.R. A254 (1987) 349
Liquid xenon scintillation spectrometer, Barabanov, I.R., V.N. Gavrin and A.M. Pshukov A254 (1987) 355

Light conversion efficiency of small lithium scintillators for electrons, protons, deuterons and alpha particles, Dalton, A.W. A254 (1987) 361
A laser calibration system for the KEK TOPAZ barrel TOF counters. Its performance and the characteristics of its major components, Kishida, T., M. Kuze, F. Sai, T. Tsuboyama and S.S. Yamamoto A254 (1987) 367
Facility for neutron induced few body reactions at Bochum University, Bannach, B., K. Bodek, G. Börker, D. Kamke, J. Krug, P. Lekkas, W. Lübcke and M. Stephan A254 (1987) 373
Molecular spectroscopy of n-butane by incoherent inelastic neutron scattering, Nelligan, W.B., D.J. LePoire, C.-K. Loong, T.O. Brun and S.H. Chen A254 (1987) 563
The response of a 24 cm×36 cm NaI(Tl) spectrometer to γ rays between 50 and 300 MeV, Dowell, D.H., W.P. Ziegler, A.M. Sandorfi, B. Ziegler and B. Schoch A254 (1987) 570
X- and gamma-ray intensity measurements in ^{137}Cs and ^{203}Hg decays, Mehta, D., S. Singh, H.R. Verma, N. Singh and P.N. Trehan A254 (1987) 578
Particle identification by modified Bragg-curve centroid detection, Kímura, K. and H. Tomura A254 (1987) 583
Timing measurements with barium fluoride scintillators (*Letter to the Editor*), Sperr, P. A254 (1987) 635
Performance of 10×10 mm^2 pin silicon photocells used as high resolution charged particle detectors (*Letter to the Editor*), Kollowe, D. A254 (1987) 637
Diphenylstilbene as a wavelength shifter (*Letter to the Editor*), Kozma, P. and Č. Hradečný A254 (1987) 639

Computer Automated Measurement and Control

A modular acquisition system for coincidence data, Evers, E.J., R.J. Elsenaar, J.W. De Vries and W. Smit A254 (1987) 91
A fastbus digitizer system for TOPAZ TPC, Ikeda, H., T. Matsuda, R.C. Jared, F.A. Kirsten and S.R. Olson . . . A254 (1987) 382

Nuclear Electronics

Laser induced multiplication and visualization of free electrons in dense monoatomic gases, Mayer, G. A254 (1987) 100
A low noise amplification chain for the vacuum phototriode readout of the DELPHI lead-glass calorimeter, Barichello, G., M. Mazzucato, M. Pegoraro and G. Zumerle A254 (1987) 111
Studies on a pulse shaping system for fast coincidence with very large volume HPGe detectors, Bose, S., M.B. Chatterjee, B.K. Sinha and R. Bhattacharya A254 (1987) 118
Timing techniques for improving thick HgI_2 gamma-ray detector performance, Warburton, W.K. and J.S. Iwanczyk A254 (1987) 123
Scintillation properties of crystalline 9,10-diphenylanthracene. A proof for triplet–triplet annihilation, Scolink, Y., G. Shani and Z.B. Alfassi A254 (1987) 389
External electrostatic deflector techniques for pulse selection from the 37 inch cyclotron at SINP, Calcutta, Ray, R. and A.K. Datta A254 (1987) 393
Insulator with reduced *E*-field on surface, Schultheiss, C. A254 (1987) 398
Timing properties of a "lege"-type (low energy germanium) detector, Van Duppen, P., P. Duhamel and J. Vanhorenbeeck A254 (1987) 401
Afterpulsing in 130 mm diameter photomultiplier tubes, Sené, M.R., N.P. Hawkes and D.J.S. Findlay A254 (1987) 591
Some properties of slow plastic scintillators, Teh, K.M., D. Shapira, B.L. Burks, R.L. Varner, J.L. Blankenship, E.J. Ludwig, R.E. Fauber and C.F. Maguire A254 (1987) 600

Numerical and Data Analysis

Energy resolutions of a position-sensitive NaI detector by Monte Carlo simulations, Tang, S.M., H.H. Hsu, J.E. Simmons, J. Kapustinsky and J.C. Peng A254 (1987) 129
Calibration of neutron detector response to 2.45 MeV neutrons based on 3.02 MeV proton tracks in CR39, Stapf, R.O., H. Azechi, N. Miyanaga, H. Nakaishi, M. Yamanaka, Y. Izawa, T. Yamanaka and C. Yamanaka. A254 (1987) 135
Significance levels of linear correlation coefficients, Shriner Jr, J.F., G.E. Mitchell and E.G. Bilpuch A254 (1987) 139
Sensitivity calculation of beam position monitor using boundary element method, Shintake, T., M. Tejima, H. Ishii and J.-I. Kishiro A254 (1987) 146
Compton-sampling surface for Monte Carlo calculations in the energy range 0.1 to 100 MeV, Wielopolski, L. and F. Arinc A254 (1987) 406
The influence of the half-life of a metastable state on the dead-time correction for nonextending dead times in single detector systems, Funck, E. A254 (1987) 604
Determination of detecting system response function, Proykova, A. A254 (1987) 611

Maximum analyzing power of the reaction $^{23}Na(\vec{p},\alpha_0)^{20}Ne$ and measurement of all polarization components of a ^{23}Na beam, Schieck, H.P., N.O. Gaiser, K.R. Nyga, R.M. Prior and S.E. Darden A254 (1987) 616
Histogram effects of ADCs and an improved fitting formula (*Letter to the Editor*), Liu Dengchou A254 (1987) 640

Fusion

An on-line method for tritium production measurement with a pair of lithium-glass scintillators, Yamaguchi, S., Y. Oyama, Y. Nakamura and H. Maekawa A254 (1987) 413

Dosimetry, Space Radiation and Medical Applications

Establishment of a simple neutron calibration field from a moderated ^{252}Cf source. Part I. Design and calculation of the simple neutron calibration field, Hara, A., S. Iwai and T. Nakamura A254 (1987) 151
Establishment of a simple neutron calibration field using a moderated ^{252}Cf source. Part II. Experimental characterization of simple neutron calibration field, Iwai, S., T. Ohkubo, A. Hara and T. Nakamura A254 (1987) 159
The properties of ^{235}Np as a tracer and yield monitor in studies of the environmental behaviour of neptunium, Harvey, B.R. and G.A. Sutton A254 (1987) 172
Application of LiF thermoluminescence dosimeter powders in neutron gamma field dosimetry and dose mapping in the thermal column of a TRIGA Mk II reactor, Mukherjee, B., H. Böck and N. Vana A254 (1987) 182
A star camera and aspect determination system for balloon borne payloads, Hunter, S.D. and R.G. Baker A254 (1987) 186
Gamma and neutron dosimetry based on electrical conductivity of TL phosphors, Sayed, A.M., E.M.H. Ibrahim, B.A. Henaish and S.M. Morsy A254 (1987) 419
A molecular fraction method for measuring personnel radiation doses, Fadel, M.A., W.A. Khalil, R.P. Krodja, N. Sheta and M.S. Abd El-Baset A254 (1987) 427
The influence of cylindrical air cavities on fluence distributions of high energy electrons, Mandour, M.A. A254 (1987) 434
A silicon surface barrier telescope for solar energetic particle analysis, Sequeiros, J. and J. Medina A254 (1987) 440
Dark noise in microchannel plate X-ray detectors, Fraser, G.W., J.E. Pearson and J.E. Lees A254 (1987) 447
Measurement of Cherenkov light from a solution of sodium chloride, Nishijima, H., T. Fukushima, H. Shirakura and M. Chiba A254 (1987) 463
The impact of natural radioacivity in solder on low background experiments (*Letter to the Editor*), Brodzinski, R.L., J.H. Reeves, F.T. Avignone and H.S. Miley A254 (1987) 472
Application of air proportional counters to a tritium-in-air monitor, Aoyama, T., H. Sugiura and T. Watanabe . A254 (1987) 620

Synchrotron Radiation Research

Special multipole wiggler design producing circularly polarized synchrotron radiation, Goulon, J., P. Elleaume and D. Raoux A254 (1987) 192
Electron heated high temperature atomic beam source for VUV photoelectron spectroscopy, Prescher, T., M. Richter, B. Sonntag and H.E. Wetzel A254 (1987) 627

Special Applications

Film based industrial computerized tomography, Segal, Y. and B. Cohen A254 (1987) 202

Letters to the Editor

Si-targets in fine tungsten gauze, Kaper, H.J., J. Van Klinken, T.W. Tuintjer and V.A. Wichers A254 (1987) 210
Degradation of plastic scintillator exposed to Tevatron tunnel background radiation, Lindsey, C.S., E.W. Anderson, C. Hojvat, F. Turkot and A. Bujak A254 (1987) 212
A photoelectronic image device for slow neutrons, Bussière, A., D. Feltin, B. Hamelin, J. Jacobé, K. Kuroda, D. Liaud, A. Michalowicz, C. Nemoz and D. Sillou A254 (1987) 215
Neutron–gamma transmission (NEUGAT) based composition measurements using an accelerator, Bartle, C.M. and C.R. Purcell A254 (1987) 219
Novel monoenergetic neutron sources for energies between 2.5 and 25.7 MeV, Drosg, M. A254 (1987) 466
Proton target polarization measured with a polarized neutron beam at 477 MeV, Abegg, R., D. Bandyopadhyay, J. Birchall, E.W. Cairns, G.H. Coombes, C.A. Davis, N.E. Davison, P.P.J. Delheij, P.W. Green, L.G. Greeniaus, H.P. Gubler, D.C. Healey, C. Lapointe, W.P. Lee, W.J. McDonald, C.A. Miller, G.A. Moss, G.R.

Plattner, P.R.Poffenberger, W.D. Ramsay, G. Roy, J. Soukup, J.P. Svenne, R. Tkachuk, W.T.H. Van Oers, G.D. Wait and Y.P. Zhang A254 (1987) 469
The impact of natural radioacivity in solder on low background experiments, Brodzinski, R.L., J.H. Reeves, F.T. Avignone and H.S. Miley A254 (1987) 472
Optically pumped tensor-polarized deuterium sources, Schneider, M.B. and T.B. Clegg A254 (1987) 630
Note on an energy scanning system for a Van De Graaff or a tandem accelerator, Camplan, J. A254 (1987) 633
Timing measurements with barium fluoride scintillators, Sperr, P. A254 (1987) 635
Performance of 10×10 mm^2 pin silicon photocells used as high resolution charged particle detectors, Kollowe, D. A254 (1987) 637
Diphenylstilbene as a wavelength shifter, Kozma, P. and Č. Hradečný A254 (1987) 639
Histogram effects of ADCs and an improved fitting formula, Liu Dengchou A254 (1987) 640

Erratum

J.E. Draper, *Selectivity of directional correlations of gamma rays from oriented nuclear states at moderately high spins*, Nucl. Instr. and Meth. A247(1986)481–506 ..... A254 (1987) 643